



# Crops & Weather

National Agricultural Statistics Service  
Minnesota Field Office

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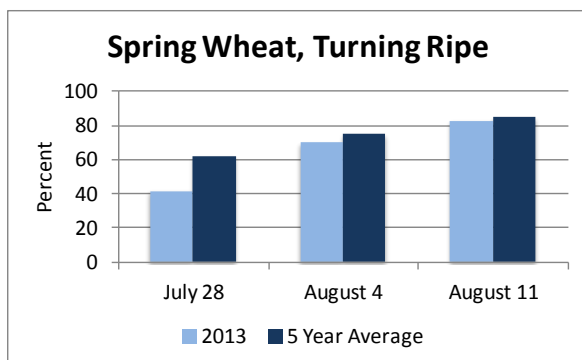
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Welcome precipitation in Minnesota kept soil moisture levels mostly adequate during the week ending August 11, 2013 according to the USDA, National Agricultural Statistics Service. Temperatures continued trending cooler than normal with a statewide average temperature of 64.1 degrees. There were still 5.7 days of suitable field work statewide, despite the rainfall early in the week. Topsoil and subsoil moisture levels were 65 and 69 percent adequate to surplus, respectively. The South Central district was the wettest region, with an average of 1.29 inches of rain reported.

Nearly all of Minnesota's corn has reached the silking stage. Corn at the milk or beyond stage advanced 29 percentage points to 43 percent. Seven percent of corn had reached the dough stage, over 2 weeks behind last year, and 9 days behind the five-year average. Corn conditions improved slightly to 61 percent good or excellent. Ninety-two percent of the soybean crop was at or beyond the blooming stage, compared to the normal 95 percent. Fifty-eight percent of soybeans were setting pods, 15 days behind last year. Soybean conditions improved slightly to 63 percent good or excellent. Eighty-three percent of the spring wheat crop was turning ripe, behind the average of 85 percent. Spring wheat conditions remained at 63 percent good or excellent. The oat harvest advanced 15 percentage points to 27 percent harvested, compared to last year's 94 percent.

Pasture conditions remained mostly rated good or excellent. The second cutting of alfalfa was 94 percent complete. Oat and barley conditions declined slightly to 68 and 54 percent good or excellent, respectively. All other crops improved except for sunflowers, which declined to 49 percent good or excellent.



## Soil Moisture Levels as of August 11, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	9	26	63	2
Subsoil Moisture	7	24	68	1

## Crop Condition as of August 11, 2013

	Very Poor	Poor	Fair	Good	Exc.
Pasture .....	4	9	28	52	7
Oats.....	1	5	26	55	13
Barley .....	2	8	36	47	7
Spring Wheat.....	2	6	29	52	11
Sugarbeets .....	1	4	21	65	9
Sunflowers.....	0	3	48	42	7
Corn .....	3	7	29	49	12
Soybeans .....	2	6	29	53	10
Potatoes .....	1	3	10	51	35
Canola.....	0	3	52	43	2
Dry Beans.....	2	6	31	49	12

## Crop Progress as of August 11, 2013

	This Week	Last Week	Last Year	5 Yr Avg
Days Suitable for Fieldwork	5.7	6.5	5.9	5.6

	Percent	Percent	Percent	Percent
Corn silking.....	96	84	100	98
Corn milk .....	43	14	93	61
Corn dough.....	7	2	69	27
Soybeans blooming .....	92	81	100	95
Soybeans setting pods .....	58	28	92	72
Oats turning ripe .....	95	81	100	95
Oats harvested .....	27	12	94	56
Spring Wheat turning ripe .....	83	70	100	85
Barley turning ripe.....	93	86	100	86
Barley harvested.....	16	7	98	40
Sweet Corn harvested .....	15	8	46	23
Dry Beans blooming .....	93	85	100	NA
Dry Beans setting pods.....	72	41	98	NA
Dry Beans fully podded.....	6	NA	72	NA
Alfalfa, second cutting.....	94	88	NA	NA

## Precipitation and Temperature Summary for 8/5/2013 through 8/11/2013

	Temperature				Precipitation				G D D	
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal			Since 05/16	Depart From Norm
						Past Week	Four Weeks	Since 4/1		
NORTHWEST DISTRICT										
Crookston	77	44	61.6	-7.6	0.03	-0.72	-2	-3.65	1444	8
Itasca	M	M	M	M	M	M	M	M	M	M
Moorhead	79	48	63.7	-7.3	0.25	-0.32	-1.38	6.42	1576	14
Pembina, ND	75	47	59.5	-7.6	0.58	-0.03	1.44	2.33	1262	-42
Warroad	73	45	58.6	-8.2	1.21	0.48	-0.09	-4.29m	1113m	-160m
NORTH CENTRAL DISTRICT										
Grand Rapids	76	46	61.4	-6.5	0.57	-0.22	-1.42	-1.83	1239	-109
Intl. Falls	73	37	56.2	-8.8	0.89	0.25	3.81	4.57	1155	-10
NORTH EAST DISTRICT										
Duluth	79	50	65	-0.8	0.52	-0.28	-1.72	0.35	1201	47
Grand Marais	74	49	59.6	-4.5	0	-0.61	2.99	8.37	624	-231
Hibbing	75	41	59.8	-4.2	0.76	0.02	-0.87	-0.73	1182	108
WEST CENTRAL DISTRICT										
Alexandria	82	53	65.3	-4.8	0.89	0.09	-1.49	-1.28	1463	-47
Breckenridge	83	51	64.2	-6.1	1.23	0.54	-1.28m	-1.95m	1385m	-155m
Browns Valley	M	M	M	M	M	M	M	M	M	M
Canby	M	M	M	M	M	M	M	M	M	M
Montevideo	85	46	64.9	-6	1.63	0.88	0.3	6.04	1493	-115
Morris	82	48	63.8	-5.9	1.08	0.3	-0.91	2.69	1438	-97
Wheaton	83	51	64	-7.2	1.12	0.51	0.22	-0.7	1477	-116
CENTRAL DISTRICT										
Becker	83	53	66.5	-3.8	0.74	-0.15	-2.32	-4.09	1561	-13
Collegeville	80	54	66.4	-5.3	0.57	-0.29	-2.13	0.84	1515	-140
Hutchinson	85	52	66.2	-4.6	3.02	2.03	0.59	4.37m	1542m	-97m
Melrose	80	51	64.4	-4.6	0.86	0.02	-0.72	1.73	1435	-48
Olivia	82	51	64	-6.3	2.09	1.32	0.15	3.62	1422	-182
St. Cloud	83	50	65.4	-4.1	0.58	-0.25	-2	1.38	1444	-61
Wadena	77	47	62.2	-5.1	0	-0.72	.28m	-.52m	1160m	-168m
Willmar	83	50	65.2	-5.7	1.84	0.93	-0.66	-.78m	1461	-177
EAST CENTRAL DISTRICT										
Aitkin	80	42	62	-4.8	0.68	-0.05	-0.73	1.36m	1153m	-151m
Forest Lake	83	50	66.8	-4.5	0.44	-0.45	-2.67	1.14	1511	-111
MSP Airport	86	58	70	-2.9	1.98	0.98	-1.42	6.26	1747	12
Mora	80	48	64	-4.8	0.49	-0.36	-2.71	.08m	1366	-68
St. Paul - UofM	82	53	66.6	-4.7	0.82	-0.07	-2.43	6.77	1503	-119
SOUTH WEST DISTRICT										
Lamberton	85	50	66.6	-4.1	1.19	0.37	-2	-1.12	1591	-59
Marshall	86	54	67.9	-3.8	1.14	0.37	-1.61	-.80m	1623	-49
Pipestone	86	47	66.6	-4.2	.03m	-0.66	m-1.10m	-.56m	1468m	-116m
Redwood Falls	87	54	68.4	-3.2	1.5	0.66	-1.49	-2.66	1631	-63
Sioux Falls	85	52	68.9	-3.4	2.21	1.53	0.05	2.9	1617	-56
SOUTH CENTRAL DISTRICT										
Worthington	85	50	66.4	-4	1.36	0.53	-1.66	-.58m	1562m	-49m
North Mankato	82	52	67.1	-4.4	0.49	-0.47	-2.59m	-2.19m	1521m	-139m
Owatonna	84	52	66.6	-4.6	1.1	0.01	-2.48	5.58	1550	-90
Waseca	84	50	64.9	-6.4	1.07	-0.01	-1.38	7.65	1534	-138
Winnebago	85	54	67.8	-3.6	2.49	1.5	-0.32	7.16	1626	-53
Cannon Falls	M	M	M	M	M	M	M	M	M	M
SOUTH EAST DISTRICT										
La Crosse	86	50	68.2	-4.7	0.91	-0.06	-1.8	5.54	1709	-49
Preston	83	47	65.8	-4.7	0.86	-0.22	-1.28	11.15m	1500	-61
Red Wing	86	51	66.2	-5.4	1.42	0.47	-1.38	3	1608	-46
Rochester	82	52	66.2	-4.3	1.29	0.25	-1.57	11.61	1536	-80
Rosemount	83	53	66.2	-4.6	2.23	1.14	-1.56	2.18m	1501	-107
Winona Dam	86	54	67.8	-3.8	0.43	-0.58	-2.38	8.12	1591	-32

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office.

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